CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/NMS/W.No.08/STEEL/2014-15 07.11.2014

TEST REPORT ON REINFORCEMENT STEEL

Client : **Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.

Agency : **Mr. N.M. Shivakumar,** # 7, 2nd Block, Juganahalli, Rajajinagar, Bangalore.

Name of the work : Improvements of Roads and Drains at 6th Main Road in Balaji Layout in Ward No.08, Kodigehalli Sub Division (Change of Place: Kodigehalli Village), BBMP, Bangalore.

Reference : AEE/KSD/PR/ /2014-15 Dated: 05.11.2014

Date of Test : 07.11.2014

Technical Reference : IS: 1786-2008

Sl. No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH			Bend Test	Rebend Test
			0.20% proof stress/Yield stress N/mm²	Tensile strength (Ultimate stress) N/mm²	Elongation percent gauge length		
1	8	0.40	511	553	13.10	O.K	O.K

Note:

⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒ Any Query regarding the report must be reported Within 30 days from the date of testing..

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M/s. Civil-Tech Consultants & Engineers
23/14, 7th Cross, 3rd Stage,
4th Block, Shakthiganapathinagara,
Basaveshwaranagar,
Bangalore-560079.

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Job No.: CTCE/BBMP/NMS/W.No.08/STEEL/2014-15 07.11.2014

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Sl. No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH			Bend Test	Rebend Test
			0.20% proof stress/Yield stress N/mm²	Tensile strength (Ultimate stress) N/mm²	Elongation percent gauge length		
1	10	0.62	514	557	13.35	O.K	O.K

Note:

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CIVIL-TECH CONSULTANTS AND ENGINEERS

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T-2377

Job No.: CTCE/BBMP/NMS/W.No.08/CSR.11/670c/CUBE/2014-15 . 13.12.2014

TEST REPORT ON CONCRETE CUBES

* **Client** : **Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.

* **Agency** : **Mr. N.M. Shivakumar,**
# 7, 2nd Block, Juganahalli, Rajajinagar, Bangalore.

* **Name of the work** : Improvements of Roads and Drains at 6th Main Road in Balaji Layout in Ward No.08, Kodigehalli Sub Division (Change of Place: Kodigehalli Village), BBMP, Bangalore.

* **Reference** : AEE/KSD/PR/ /2014-15 Dated: 05.11.2014

* **Sample ID** : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

* **Grade of Concrete** : M_{20}

Compressive Strength as o : 28^{th} day

Sample Received on : 11.12.2014

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	15.11.2014	13.12.2014	8.145	489.7	21.76
2	15.11.2014	13.12.2014	8.263	503.9	22.40
3	15.11.2014	13.12.2014	8.357	516.3	22.95

Note:

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2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

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VISHWANATH .C
Quality Manager

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